

# Comparisons of Job Characteristics

**Focus Occupation: Locomotive Engineers (53-4011)**

**Associated Occupation: First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators (53-1031)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 62

**Focus Occupation: Locomotive Engineers (53-4011)**

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.9	6.1	<<	Extensive education and/or training may be required
Transportation	4.6	15.9	13.9	<	Expanded education and/or training may be required
Administration and Management	8.4	15.3	5.2	<<	Extensive education and/or training may be required
Production and Processing	6.0	14.4	3.0	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	12.1	4.0	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.0	8.7	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	9.0	2.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 41

**Focus Occupation: Locomotive Engineers (53-4011)**

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Management of Personnel Resources	6.9	13.3	7.3	<<	Extensive development of skills in this area may be required

Time Management	8.9	12.5	8.2	<<	Extensive development of skills in this area may be required
Negotiation	6.8	10.6	5.8	<<	Extensive development of skills in this area may be required
Persuasion	7.4	10.5	5.6	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	7.7	3.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 47

**Focus Occupation: Locomotive Engineers (53-4011)**

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Expression	12.4	14.0	11.4	<	Some improvement in abilities may be required
Oral Comprehension	12.5	13.7	11.8	<	Some improvement in abilities may be required
Written Expression	9.8	11.6	7.9	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	10.7	11.0	0	Current ability level may be sufficient
Depth Perception	5.3	7.4	11.8	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 55

**Focus Occupation: Locomotive Engineers (53-4011)**

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Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Perform safety inspections in transportation setting	62
Prepare reports	8
Use two-way radio or mobile phone	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 30

**Focus Occupation: Locomotive Engineers (53-4011)**

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Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Holding and clamping tools	3
Information exchange software	1
Personal communication devices	2
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.